Geometry/Algebra 2

**Section 10.2 Use Tangent Properties, p 651**

**#3-28, 30, 35-37 p 656-7**

3. G

4. H

5. C

6. E

7. F

8. A

9. B

10. D

11.  is not a secant, it is a chord; the length of chord  is 6.

12. radius = 9, diameter = 18

13. radius = 6, diameter = 12

14. There are 2 common tangents. Check drawings.

15. 4

16. 0

17. 1

18. Yes,  is tangent.

19. No,  is not tangent.

20. Yes,  is tangent.

21. 10

22. 3.75

23. 10.5

24. 4

25. 

26. 1

27. External

28. Internal

29. SKIP

30. Using Theorem 10.2,  and . Using the Transitive Property of Segment Congruence, 

35. radial spokes

36. tangential spokes

37. 15, 385 miles